



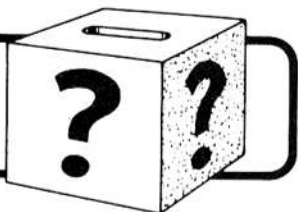
NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 4—No. 20

October 18, 1973

QUESTION BOX



If you have questions on company policies, benefits, etc. or any other problems with which we might help, just let us know. Drop your inquiry to the Editor, Nuclear Division News. (Or telephone it in to your plant news representative . . . see page two). You may or may not sign your name. It will not be used in the paper.

Questions are referred to the proper authorities for accurate answers. Each query is given serious consideration for publication.

Answers may be given to employees personally if they so desire.

QUESTION: I understand that a monthly salaried employee who banks by mail has his stubs mailed directly to his home without a bank knowing all about his personal business.

Why is it not done for hourly and weekly salaried employees?

ANSWER: Thank you for raising this question. This matter has been reviewed and arrangements are being made to have all paychecks mailed in the same manner — that is, the check will go to the bank and the stub will be sent directly to the employee.

QUESTION: Why is it that no women are participating in the OPERATION UPLIFT SCHOLAR Program where the employee goes to school full-time and is paid his regular salary? How are employees chosen for this program?

ANSWER: The last participants in the Technician Scholarship Program (originally called OPERATION UPLIFT) entered the program in September of 1971. Since its inception in 1966 there have been 16 participants and, you are right, there have been no women. Selections were made by the Atomic Energy Commission from people nominated by Carbide's installations. The nominees were always within two years of obtaining their bachelor degrees in science and engineering. If the program were to start again, we would make every effort to have the list of nominees include women and minorities. The Nuclear Division continues to encourage its employees to use the Education Assistance Program to help them further their formal education. The Nuclear Division News on June 21 described this program and its benefits. The Education Assistance Program helps many more employees than did the Technician Scholarship Program and the employees are studying in a wider variety of subjects. During a recent period, for example, about 500 employees, including 20 minorities and 94 women, participated. From 10 to 15 baccalaureate degrees and over 40 advanced degrees were obtained last year by our employees, as contrasted to the total of 13 B.S.'s

earned by participants in the Technician Training Program over a seven-year period.

QUESTION: If a person reaches age 55 with 27 years' company service, will his pension benefits be calculated on the basis of 25 years' or 27 years' company service?

ANSWER: If an employee had 27 years of company service and had passed his 55th birthday as of the last day worked, his pension benefit would be calculated on the basis of 27 years' service, which would be actuarially reduced from age 60. In other words, he would receive 70 percent of 27×1.2 percent x average straight time earnings.

QUESTION: Why does ORGDP management continue to overload the front-line foremen with unnecessary and worthless paper work such as the job safety analysis program?

ANSWER: Job Safety Analysis is a technique that identifies the hazards or potential hazards associated with each step of a job and develops solutions that

(Continued on page 8)

W.R. Ragland named director of ORNL's finance materials

138159

William R. Ragland has been appointed Director of Finance and Materials for the Oak Ridge National Laboratory. He succeeds Robert A. McNees, who will be given new responsibilities on the Laboratory staff. The appointments are effective November 1.

Ragland, who has been with Union Carbide Corporation's Nuclear Division since 1960, has been serving as Division Superintendent for Accounting and Budget at the Oak Ridge Y-12 Plant.

A native of McKenzie, Tenn., he received his bachelor's degree in industrial management from The University of Tennessee in 1958. He worked for a year with the Corning Glass Co., Bradford, Pa., before joining Union Carbide. He has been associated with the Oak Ridge Y-12 Plant since that time.

In his new position, Ragland will have responsibilities including finance and budget affairs, warehousing and property management of equipment and facilities.

Ragland, who lives in Kingston, has been active in Kingston and Roane County community affairs, serving as chairman of the Roane County Regional Planning Commission, and as secretary-treasurer of the Kingston Community



William R. Ragland

Children's Theater. He is 1973 Chairman for the United Way Campaign at the Y-12 Plant.

He is married to the former Barbara Sproles. They and their son, Steve, live at 411 Edgewater Estates.

Oak Ridge plants reach 49% of United Way goal

The first status report of the Nuclear Division's (Oak Ridge plants) United Way drive shows that 49 percent of the goal has been reached. The 1973-74 goal is \$367,000.

Contributions are distributed between plants as follows:

ORGDP \$ 41,388

153115

Y-12	75,935
ORNL	46,883
Gen. Staff	17,082
Total to Date	\$181,288

This initial report includes pledged contributions carried on the payroll as of October 8.

Let's reach our goal!



ADDRESSES UNITED WAY LEADERS — Donald O. Mirts, Knoxville business man and civic leader, addressed the Nuclear Division's United Way campaign leaders and solicitors recently at the Oak Ridge Civic Center. Mirts pointed out the enormous contributions Nuclear Division employees make to the greater Knoxville area.



GO THE UNITED WAY — Much of the responsibility for the success of the 1973 United Way drive at the Nuclear Division installations in Oak Ridge will be borne by the people in these photographs. Theirs is the job of organizing the campaigns and assisting the solicitors in the various shops, laboratories and offices throughout ORNL, ORGDP and Y-12. Some of them are veterans of many past United Fund campaigns, while others are involved in their first drive. Space limitations do not permit individual identification, nor the picturing of the hundreds of solicitors in the three plants. But to all of them, the United Way agencies say a sincere and hearty "thank you."

A—ORGDP

B and C—ORNL

D, E and F—Y-12

NUCLEAR DIVISION OAK RIDGE GOALS

Oak Ridge Gaseous Diffusion Plant	\$ 70,000
Y-12 Plant	130,000
Oak Ridge National Laboratory	139,000
General Staff	28,000

Postdoctoral fellowships awarded by United Order of True Sisters

The first recipients have been selected for two postdoctoral research fellowships established through a \$25,000 annual grant from the United Order True Sisters, Inc., to The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences.

The recipients are Corazon Bucana, a citizen of the Republic of the Philippines, and John C. Lee of Hong Kong.

Miss Bucana received her B.S. degree at the University of the Philippines, her M.A. degree at the University of Toronto, and her Ph.D. at Illinois State University. She presently is a research associate at the Indiana University Medical School, Indianapolis.

Established in April

Lee received his B.S. degree at the University of Hong Kong and his Ph.D. at the University of Miami. At present, he is associated with the University of Miami School of Medicine.

The grant, established last April by the United Order True Sisters, Inc., will make it possible for the two recipients to carry out research in cancer immunology. Studies in cancer immunology are conducted under the direction of M. G. Hanna Jr., as part of the cancer research program of ORNL's Biology Division. These studies have provided important insight into the immunologic mechanism by which agents can program the body to attack cancer cells.

The Biomedical Graduate School is part of The University of Tennessee, Knoxville, but is operated as an integral part of the Biology Division of Oak Ridge National Laboratory.

Cancer top project

The United Order True Sisters, Inc., is a nonprofit group organized in 1846 and composed of some 13,000 women in 43 chapters throughout the United States. The organization has made cancer service its national project. This national organization is holding its annual convention beginning November 12 at the Hotel Americana, New York City, at which time Hanna will address the assembly.

Research in cancer immunology is carried out in the Biology Division as part of a large cancer research program supported by the National Cancer Institute and the Atomic Energy Commission.



Miss Bucana

Lee

The research is aimed at determining how agents such as chemicals, radiation, and viruses cause cancer and how cancer development can be prevented. One means of cancer prevention under investigation is the stimulation of the body's immune system to attack cancer cells when they appear or possibly to destroy cancers which have established in body tissue. New developments in this method of cancer treatment, called immunotherapy, have made cancer immunology one of the most rapidly growing areas within the national program on the conquest of cancer.

Technical illustrators organize local chapter

Technical and advertising illustrators recently gathered to form the East Tennessee Chapter of Industrial Graphics International, representing some 14 companies. Dedicated to the advancement of professionalism in the graphic arts industry, IGI named two Nuclear Division men as its founding officers: Larry H. Bohanan, Y-12, president; and Robert E. Seyfried, ORGDP, as treasurer. Nat Johnson, AEC, was named vice president; and Marcia M. Shelley, Creative Display, was made secretary.

Mary Jane Hearn, president of IGI, with the U. S. Army Missile Command at Redstone Arsenal, Huntsville, Ala., was present for the charter presentation.

Other Nuclear Division employees forming the charter chapter were Jerry Love and Williard Moore, ORGDP; Fred L. Clark, Edgar H. Kelley Jr., Bobby R. Samples, Harry P. Templeton Jr., Paul J. Long and James G. McArthur, Y-12; William C. Colwell, James T. White, Morris H. Slabberkorn and Larry H. Wyrick, ORNL.

ORGDP's Frank Gethers is recognized by National Alliance of Businessmen

Frank E. Gethers, ORGDP Separation Systems Division, has been awarded the National Alliance of Businessmen's Certificate of Recognition for his work with that organization's Youth Motivation Task Force. The basic thrust of this concept is directed toward motivating minority college students to prepare themselves better for opportunities in business and industry.

Gethers served as chairman for the Youth Motivation Task Force visit to South Carolina State College in November, 1972. The visit to the campus lasted three days and included panel and single speaker presentations in an assembly, classroom visits, faculty sessions, and informal contact with students on campus. The team members, who were men and women with disadvantaged back-

grounds similar to those of the students, but who have overcome that background and are now "making it" in positions in industry, described what they do in their jobs and how they got there. Since the National Alliance of Businessmen is a Government-industry partnership funded by the Department of Labor, it relies upon Union Carbide and the other companies supporting its programs to bear the expense of employees who participate.

Gethers is from Charleston, S.C. He received his degree in Electrical Technology from South Carolina State in 1968. He has been with UCC-ND in the Separation Systems Division since June, 1968. He presently serves as Affirmative Action representative for his Division. Gethers lives in Knoxville.

ORGDP's Ernest Evans selected a fellow in Instrument Society

PH 73-1806

Ernest C. Evans, superintendent of the Separation Systems Division at the Oak Ridge Gaseous Diffusion Plant, has been named a Fellow in the Instrument Society of America.

A native of New York, Evans served with the Army Corps of Engineers during World War II, part of which time was spent on the Manhattan Project in New York and Oak Ridge. He studied electronics engineering at the Massachusetts Institute of Technology, received a B.S. in engineering and an M.S. in physics.

"Instrument Technology," the official publication of the ISA, cites Evans in its September, 1973, issue "for his distinguished achievement in developing advanced instrumentation to improve separation processes for radioactive isotopes and biological particulates."

He has worked with mass spectrometers, vacuum systems, gas flow systems, and instrumentation. He holds several unclassified patents on control systems and an absolute gas mass flow measuring system which is said to be the most accurate system available. He has also been active in developing processes for separating isotopes and recently has been interested in biomedical engineering and the development of liquid centrifuge systems for water pollution studies and other biological separations.

Evans has served in many offices of the Oak Ridge Section of ISA, and is a past president of the Technical Societies Joint Council.

He and his wife, Marie, have three sons, Edward, Tom and Robert. They live at 139 North Seneca Road, Oak Ridge.

ORNL CREDIT UNION

Accountants for the Supervisory Committee are auditing the records of the ORNL Credit Union this month. Please check your third quarter statement against your records. If there is a difference in balances or other apparent error, please report it within 10 days directly to the accountants or to your Supervisory Committee. Otherwise, the statement will be considered correct. Robert M. Farnham is Chairman of the Supervisory Committee.

PH 73-2302



Ernest C. Evans

NUCLEAR DIVISION NEWS



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NUCLEAR DIVISION

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CERTIFICATE OF RECOGNITION — Frank E. Gethers, ORGDP Separation Systems, has been awarded the National Alliance of Businessmen's Certificate of Recognition. He is congratulated by Stanley E. Groothuis, left; and Ernest C. Evans, right.

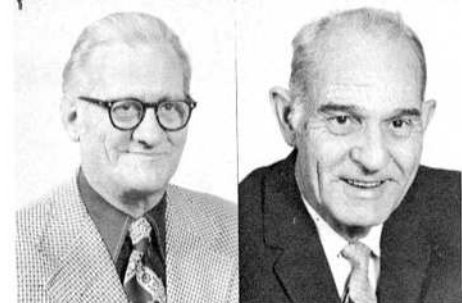
Division Retirees

Three long-time Oak Ridge Gaseous Diffusion Plant employees are retiring.



Allan

Edwin J. Allan, Purchasing Division, leaves the last of this month with more than 27 years' company service. He worked with J. A. Jones and Skidmore, Owings and Merrill before joining Union Carbide.



Melton

Bryant

Allan lives at Route 4, Kingston. Granville P. Bryant, chemical operations in the Operations Division, came with Union Carbide in 1947. He lives at 400 Michigan Avenue, Oak Ridge.

Cecil P. Melton retired last week after more than 24 years at ORGDP. He worked in the Maintenance Division as a machinist. Melton lives on Route 1, Buttermilk Road, Lenoir City.



Lundquist

Walker

Glenn A. Lundquist, Y-12's research services, will take early retirement, marking his 20th anniversary with Union Carbide. He lives at 313 Cross Street, Clinton.

William C. Walker, who joined Union Carbide in 1944, retired at the end of last month from Y-12's Alpha Five processing. He lives at Route 8, 213 Pat Road, Concord.

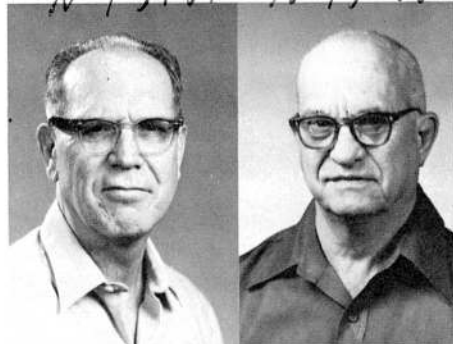
Also retiring September 28 were three more veteran Y-12ers.

Floyd D. Bradburn, buildings, grounds and materials shops, joined Union Carbide in 1951. He lives at 1600 Reaves Avenue, Knoxville.

Llewellyn Elsbree, utilities department, lives at 104 East Passmore Lane, Oak Ridge. He came to Y-12 in 1945.

Lennie B. Eskridge, who retires to her Harriman home, was in Y-12's building

services department. She came to work in Y-12 in 1948.



Bradburn

Elsbree



Mrs. Eskridge

Two veteran Oak Ridge Gaseous Diffusion Plant employees retired recently.

Ralph E. Coffey, cascade foreman in Operations, came with ORGDP in 1944. He retired to his Route 4, Kingston, home.

Leonard H. McDaniel, Fabrication, came with Union Carbide in 1962. He lives at 8612 Fox Lonas Road, Knoxville.



Coffey

McDaniel

Secretarial procedures will begin October 29

Secretarial Procedures, the second course in the 1973-74 series sponsored by the Oak Ridge Chapter of the National Secretaries Association, will begin on October 29 and last through November 26. Classes will be held each Monday evening from 6:30 to 8:30 p.m. at Oak Ridge High School.

The course covers a broad spectrum of secretarial responsibilities, including communications, transmittal services, records management, travel and conference, processing and presenting business data, legal duties and routine office skills.

Mrs. Yvonne Lovely will be instructor of the course. Anyone interested should contact Bettye Burns, CPS education chairman, plant phone 3-1306. Early contact is requested so that textbooks may be obtained.

Dr. Holland to head medical division at South Charleston

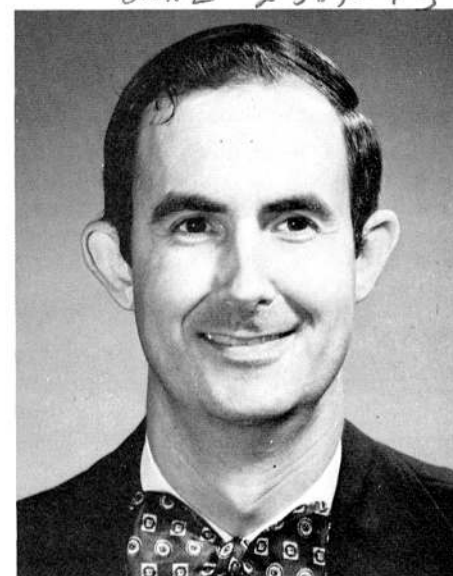
ORNL 2389-73

Dr. Reuben W. Holland Jr., staff physician at ORNL, has been appointed the new medical director for the South Charleston (West Virginia) Plant, Chemical and Plastics Operations, of Union Carbide Corporation.

A native of Chattanooga, Dr. Holland received the B.S. degree in chemistry from the University of Chattanooga in 1954. He earned the M.D. degree from The University of Tennessee's College of Medicine, Memphis, in 1957. He served a rotating internship at Nashville General Hospital. After spending six months in surgery residence training at Thayer Veterans Administration Hospital, he returned to Nashville General Hospital for two years of surgery residence.

Dr. Holland joined the ORNL staff in 1961. He has his boards in preventive medicine, and was recently named a Fellow of the Industrial Medical Association.

Dr. Holland will begin his new assignment November 19. The South Charleston Plant, which has over 2,000 employees, is one of the largest petrochemical facilities in the world. It produces



Reuben W. Holland

over 400 chemicals, plastics and fibers from derivatives of natural gas and petroleum.

Mrs. Holland is the former Louann Derthick of Chattanooga. The Hollands have two sons, Benny and John.

"Put cost reduction closer to work," says gaseous diffusion plant group

New departmental representatives were appointed recently to ORGDP's Fabrication and Maintenance Division's Cost Reduction Committee. The new committee is composed of front-line supervisors and was established to "put cost reduction closer to the work." The committee is revitalizing the concept of cost reduction throughout the entire division.

More than 135 employees have contributed cost reduction ideas to the program and have reported an average savings of \$57,000 per month for the last four months. Toward the year's goal of \$371,000, a total of \$332,000 has already been reported by division employees.

Complete employee involvement is one of the prime objectives of B. Wayne McLaughlin, program director; and cost savings ideas have been received from all ranks of maintenance employees.

John H. Anderson, Robert D. Boone, James C. Gann, Guy P. Hargis, George H. Hudson, Thomas B. Keylon, Michael E. Nuchols, Roy Oldaker and Walter B. Rainey are some of the craftsmen in the division to contribute significant ideas.

James Duncan, Fred R. Sanders, A. Taylor Humphreys, James E. Cox, George R. Harper and Norval B. Hockman are some of the supervisors to report savings and Edna J. Hicks and Ellen B. Queener have reported savings from the clerical field. The new committee members have provided many of their own cost reduction ideas and have committed their efforts to solicit the participation of every employee in the division.

The record for dollars saved in one year was set in 1970 at \$419,000. Both McLaughlin and Eva E. Elmore, program record and report coordinator, expect the old record will be broken. They consider \$500,000 a real possibility for this year.



COST REDUCTION COMMITTEE — The Fabrication and Maintenance Division at the Oak Ridge Gaseous Diffusion Plant recently named new cost reduction people to man the committee and install new life in the program. From left are B. Wayne McLaughlin, program director; James P. Deaton, Thomas W. Avara, Ronald B. Maples, Bill C. Kelley, Thomas J. Allison, Kenneth O. Hackworth, Harry M. Wright, Eva E. Elmore, program record and report coordinator; Larry A. Studinger, Division Superintendent; J. B. Wilhout, Harry E. Hallwas and G. Stanley Dalton. Not shown are Jerry Upchurch, Willie M. Loveday and Noah E. Howard.

Division Deaths

Carl E. Bennett, Y-12's Alpha Five processing, died October 11 in the Oak Ridge Hospital.

A native of Anderson County, Mr. Bennett joined Union Carbide in 1951.



Mr. Bennett

The Bennett home is at Route 6, Clinton. He is survived by his wife, Geneva Overton Bennett; a daughter, Linda Wallace and a son, Edward Bennett; along with

three sisters and two brothers.

Funeral services were held at the Holley-Gamble Chapel, Clinton, with the Rev. Milford Ely officiating. Burial was in Zion Cemetery.

ORNL RETIREE DIES

Robert H. Clemmons who retired from ORNL in 1962 died September 27. Mr. Clemmons was a guard in the Laboratory Protection Division. The Clemmons' home is at Route 4, Concord, Tenn. Weavers Funeral Home in Knoxville was in charge of services which were held September 30.

Gus Craige, Y-12's buildings, grounds and maintenance shops, died October 8 in a Knoxville hospital.

Mr. Craige, a native of Lexington, Miss., joined Y-12 in 1945. His home is at 268 South Benedict Avenue, Oak Ridge.



Mr. Craige

Survivors include his wife, the former Bertha Hodges; daughters, Elizabeth Foster and Pearl Travis; his mother, Johnnie Mae Craige; a brother, nine

grandchildren and one great-grandchild. Funeral services were held at the Weatherford Chapel, with the Rev. Dozier McKinnon officiating. Burial was in the Oak Ridge Memorial Park.



Y-12 SAFETY WINNERS — At left, Ron Weaver presents Donald L. Archer an electric trolling motor in Y-12's second safety drawings for the year. In the center photo, the selection committee prepares for the drawing, and at right, Alberta P. Henley accepts her outboard motor.



Calendar of EVENTS

TECHNICAL October 23-25

Analytical Chemistry Conference in Nuclear Technology: Riverside Motor Lodge, Gatlinburg.

October 29-31

Metals and Ceramics Division Information Meeting: Oak Ridge National Laboratory.

COMMUNITY October 21

Oak Ridge Civic Music Association Coffee Concert: Bettie Mason, soprano; Nancy Van D'Vate, accompanist. Civic Center, 8:15 p.m. Public invited, free.

October 26-27

Oak Ridge Playhouse presents: "Fiddler on the Roof." Oak Ridge Playhouse, 8:20 p.m. Admission: Adults \$3; students \$1.50.

October 28

Oak Ridge Civic Music Association Chamber Series: Alban Berg String Quartet. Playhouse, 8:15 p.m. Admission: Adults \$5; students \$2.50.

October 29

Playhouse tryouts: "The Effect of Gamma Rays on Man-in-the-Moon-Marigolds." Five women between 15 and 70. Playhouse, 7:30 p.m.

Y-12 lists 113 winners as plant draws 2nd safety awards

Y-12 recently became the second Nuclear Division plant to draw for awards under the safety incentive program. Y-12's 90 safe days extended from June 13 through August 10.

Esther H. Thompson, Biology; James C. Stutts Jr., Maintenance; and Willie F. Ragsdale, Fabrication; all won 25-inch color television sets.

Winning a 220 piece tool set and chest were Joseph J. Kurtz, William B. Johnson and William W. Miller Jr.

Outboard motors were won by Nichols R. Hedgecoth, Harold D. Smith and Agnes D. Denton.

Winning 14-inch color televisions were Austin M. Read, John M. Younkin and John W. McCormick.

Movie outfits

Henry W. Krouse won a movie outfit consisting of a camera, projector and screen.

George A. Burton Jr. and Arthur I. Johnston took electric typewriters in the drawing.

Winning sewing machines were Charles S. Sullivan and George R. Taylor. Columbus Owens and James P. McMillan won tool sets. Paul J. Anderson won a stereo system with an eight-track player.

Chain saws were won by Roy E. Liles and James N. Dumont.

Ralph Christenberry and Louie K. Brooks won gas grills.

Cameras, record players

Taking instant cameras were William M. Swartout, Lloyd G. Hill, James H. Oggs, Otis O. Milam, Harvey C. Hankins Jr., Timothy H. Evans, James F. Ellis, Irene H. Bryan and Jake O. Harvey.

Cassette record players were won by Marie M. Cardwell, George A. Crider, Troy W. Baker Jr., William F. Smith, Harrison H. Cawood, Donald R. Craig, and Edith G. McCall.

Phyllis J. Rankin, Charles T. Gentry, Marion F. Henry, David E. Thomason, Billy J. McNelly and Hollis G. Hodge won electric mixers. Clock radios were won by Fred W. Farley, Wayne J. Dawson, Cecil S. Brown, Malcolm L. Allison, Augustine N. Smith and James T. McCarmick Jr.

T.V.'s, luggage, bikes

Winning 9-inch black and white television sets were William C. Smith, Lee A. Thomas, Elizabeth W. Burns and Clyde W. Clower. Chester Spradlin, Odis G. Carter, James B. Clouse, Stephen D. McFarland and Donald W. Jared won electric calculators.

Ernest L. Martin, Glenn E. Archley, Clarence E. Miller, Vaughn D. Hendrickson, Mary B. Jones, William A. Connell, Nicholas Rigopoulos, William D. Langford, William J. Barker, and Donald O. Carey all won luggage.

Winning bicycles were Frederick A. Ruckart, Nancy R. Butler, Ennis A. Pyburn, Nathaniel H. Land, William A. Norman Jr., Archie J. Riikola, Athala H. Dow, John R. Belew, William E. Webb, Charles E. Gaut, Diana B. Mabe, Homer W. Seals and Jack P. Woodall.

Saws, Corningware

Claude M. Williams, Bobby J. Coleman, Paul F. Brownlow, Billie H. Britton, Robert S. Morris, Jack W. Henderson and Lenley A. Brown won seven and one-half inch circular saws. Hurschel B. Lefler, Winfield C. Brantley, Daniel E. Pack, Kimble G. Edgemon, Raymond L. Gardner, Charles F. Mason, James K. Bailey and Thomas M. Andress won Corningware sets.

Electric trolling motors were won by Alberta P. Henley, Billy S. Carter, Alice S. Woodley, David Price, Brenda B. Grantham, Wilma B. Curtis and Donald L. Archer.

Ephraim H. Vineyard Jr., Guy L. Seaton Sr., Murray L. Kinamon, Judge D. Kile, William M. Elmore Jr., John R. Campbell and William L. Mincey won tool sets.

\$30million recorded for toll enrichment

More than \$30 million in toll enrichment sales were recorded at the Oak Ridge Gaseous Diffusion Plant during the third quarter of 1973, bringing sales for the year to date to over \$75 million.

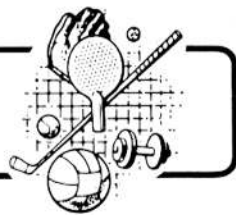
During the third quarter of the year, almost 465,000 pounds of enriched uranium were shipped for use in Belgium, Italy and Sweden, and in the following states: Alabama, Minnesota, New York, Pennsylvania, South Carolina and Virginia.

Under the Toll Enrichment Program, privately-licensed owners bring their uranium to a gaseous diffusion plant for enriching on a toll basis. Customers are charged for the services required to separate from natural uranium the desired percentage of the uranium-235 isotope, usually between two and three percent.



OUTSTANDING SERVICE AWARD — Loyd Jones, support engineering in Y-12, recently was presented the outstanding service award from the Tennessee Society of Professional Engineers. The award, the highest the society gives, is based on service, professionalism and achievements. Finis S. Patton, left, and Kenneth R. Haeusler, right, consulting engineers, join in congratulating Jones. Patton is engineering manager for the Nuclear Division and Haeusler is president of the local chapter of TSPE.

RECREATIONOTES



FISHING RODEOS-TURKEY SHOOTS

Several shift activities for early Fall are announced by Y-12 recreation men.

First off, A Shift will hold a fishing rodeo on Norris Lake October 18. Prize will be given for largemouth, smallmouth bass and walleyed pike. Weigh-in will take place at Martin's Tackle Store and must be turned in by 1 a.m., October 20.

E, F, G, H and J shifts are holding a fishing rodeo at Bayside Dock on Watts Bar Lake October 20. All Y-12ers are invited to attend the largemouth, smallmouth and crappie contest.

A Shift is holding a turkey shoot November 1, beginning at 9 a.m. It will be held at the Oak Ridge Sportsmen's Association range. Shots are 50 cents per relay.

D Shift is holding a fishing rodeo at Blue Springs Dock, on Watts Bar Lake, October 20 through 23.

C Shift's turkey shoot is set for 9 a.m., November 3, at the Oak Ridge Sportsmen's Association range.

SKEET LEAGUE

Y-12 swept the September Skeet League, as Jim Strickland took first place with a 49.327; Alan Van Hull scored 49.179 and Bob Allstun fired a 48.446.

Acting under penalty because of previous winnings were Perry Bullard and Bill Denton.

Y-12 BOWLING

The Mix Ups claim top berth in the C Bowling League, a mere one point out front, as the Sunflowers creep up, along with the Mini Strikes and Royal Flush.

The Splinters sink their hold in the Mixed League, two points ahead of the Friskies.

The Riders and Has Beens are tied in the Classic League, holding point leads on the Eightballs, as the Smelters come up close to the top.

Joe Morgan, Ridgers, rolled a 236 game recently.

ORGDP BOWLING

The Tuesday League puts the Double X team a few paces ahead of the City Slickers and Possibles. J. L. Hengstler rolled a recent high game for the fourth-placed Eightballs.

The Sandbaggers and Planners hold a tied lead in the Wednesday League, with the Demons breathing hard down their necks. Jim Conner recently rolled a 254 single game; Bob Harris a 657 series!

The ORGDP Women's League lead goes to the Bowlettes, barely ahead of the Play-Offs. Elaine Griffies rolled a 213 game recently, as Oleta Carden put a 555 scratch series on the books.

CARBIDE GOLF

Loyd Kahler and Harold Sigmon won the Purchasing Division's golf league for the summer. The league competed at Southwest Point, Kingston.

UNITED WAY

Giving the United Way is the best way you can put your money where you know it will do the most good. Your neighbors decide how the money shall be spent in the democratic process of helping where help is needed most.

BASKETBALL-VOLLEYBALL

The Recreation Department has put out the call for basketball and volleyball teams for winter play. Enter your team now . . . they need the name of the team, manager's name, building and phone number, and the number of players you will have. Forward them to the Recreation Office, Building 9711-5, Stop 1, Y-12. The deadline for entry is November 9.

TABLE TENNIS

Newcomers to table tennis circles may wish to call the Recreation Department, extension 3-5833, to get their names in the pot. Old veterans at the game will be contacted, as play will be underway sometime during the month of November.

ORNL BOWLING

The Misfits lead the A League, with no losses thus far, only one point, however, in front of the Woodchoppers.

The Alley Rads command a lead in the C League, four points ahead of their old rivals, the Remkeys. The Knuckleheads' L. C. Johnson rolled a high game recently to pace his sixth-placed team.

The ORNL Ladies League belongs to the Pick-Ups thus far. Sally Stockstill's 221 game is high in scratch scoring thus far in the early league.

WANTED



Y-12 PLANT

CAR POOL member from East Drive area, Oak Ridge, to North Portal, straight day. W. D. Corbett, plant phone 3-7131, home phone Oak Ridge 483-0324.

RIDE from Claxton area (right on Edgemoor Road) to Central Portal, straight day. Teresa Parks, plant phone 3-5841, home phone Claxton 945-2032.

ORGDP

RIDE or will join car pool from Jefferson Avenue area, Oak Ridge, to Portal 3, straight day. Shirley Burcham, plant phone 3-3700, home phone Oak Ridge 483-9583.

RIDE from Route 1, Harmon Road, Powell, to main gate, ORGDP, straight day. Kathy Cooper, home phone Powell 947-4111.

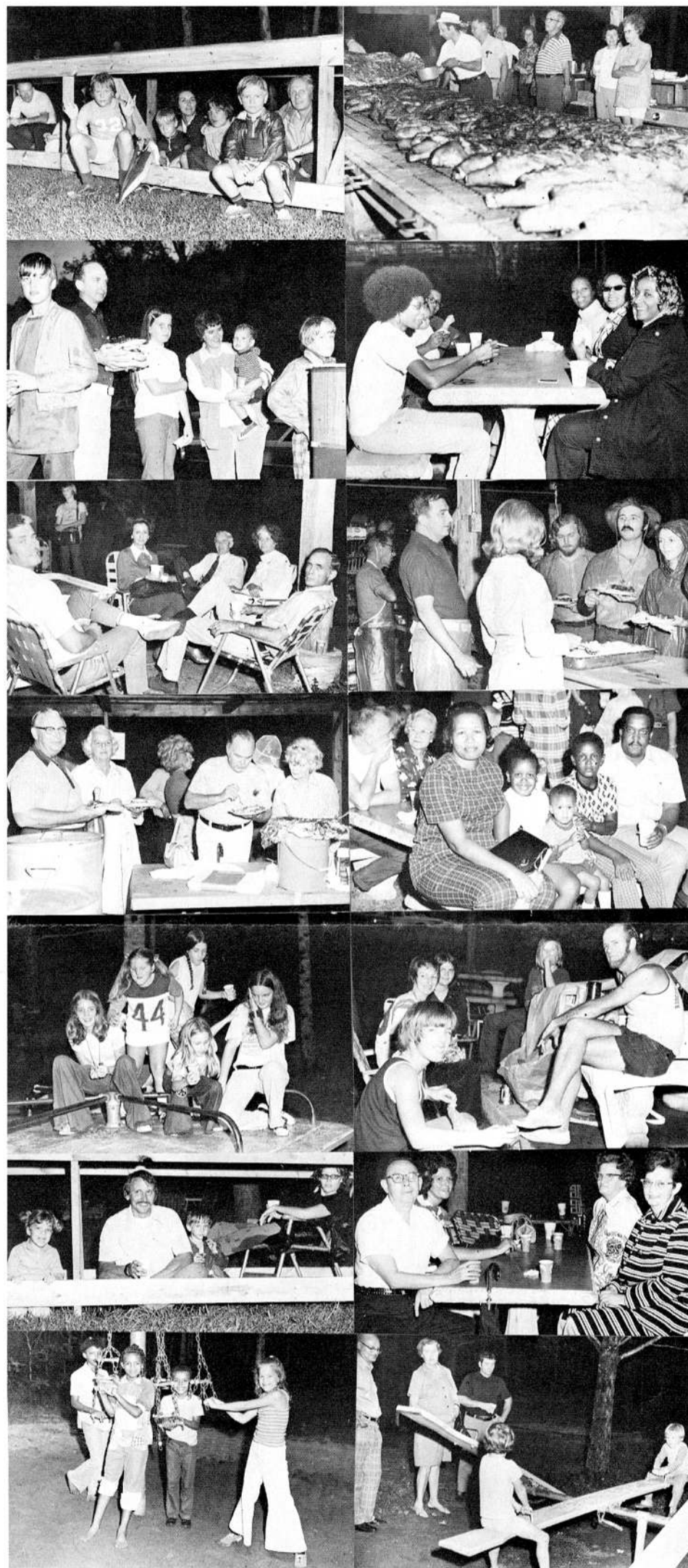
ORNL

FORM CAR POOL to classes at The University of Tennessee, Knoxville, Monday, Wednesday and Friday, 10 a.m. to 2 p.m. Ronald W. Glass, plant phone 3-6459, home phone Oak Ridge 483-8020.

CAR POOL MEMBER from Karns area to East Portal, 8 a.m. shift. John Groover, plant phone 3-6417 or Knoxville 584-2438.

RIDE or JOIN CAR POOL from Laurel Avenue - UT area, Knoxville, to either portal, day shift. Bonnie Wilkinson, plant phone 3-1639, home phone Knoxville 525-2765.

JOIN CAR POOL from Magnolia Lane Jackson Square area, Oak Ridge, to either portal, day shift. Lydia Correll, plant phone 3-1639, home phone 482-5430.



ORGDP BARBECUE — Employees and their families piled the food on their plates and proceeded to work off the calories by enjoying the recreational facilities at the Clark Center Park at the annual ORGDP barbecue-cookout. The weather failed to dampen the spirits of the attendees. While the youngsters played on the swings, see-sawed, or swam, their elders sat and relaxed in friendly conversations and got to know each other better. Which is what it's all about, isn't it?

**Thanks to you The
it's working United Way**

Choking to death on food

(Editor's Note: Dr. Lincoln alternates his regular column with "The Medicine Chest," where he answers questions from employees concerning their health in general. Questions are handled in strict confidence, as they are handled in our Question Box. Just address your question to "Medicine Chest," NUCLEAR DIVISION NEWS, Building 9704-2, Stop 20, or call the news editor in your plant, and give him your question on the telephone.)

By T. A. Lincoln, M.D.

It had been a joyous occasion up to that frantic moment. It was Bob and Sue's thirtieth wedding anniversary and their friends were helping them celebrate at a local restaurant. They all had several drinks before the meal was served. The conversation was particularly gay with much raucous laughter. Everyone seemed to want to tell a joke on the couple. All of a sudden the happy groom gasped, seemed to be struggling desperately even though he could not speak, and pitched forward onto the floor. Soon he turned



blue, convulsed a few times and died while the rest of the party screamed for help and one of the men tried vainly to give mouth-to-mouth resuscitation.

Almost everyone thought Bob had a heart attack. One or two suspected he

had choked on something but because they had not done anything to try to help him, kept quiet.

An autopsy was performed and a large piece of meat was removed from his throat. He had simply choked to death. His heart was normal for his age. He probably could have been saved if someone had had sense enough to realize what was happening and quickly removed the choking object.

Choking to death is common

Choking to death on a piece of food may seem like an extremely rare event; yet it is the sixth most common cause of accidental death in the United States. Two near misses have been witnessed separately by Dr. Gino Zanolli, Y-12 Medical Director, and me during the past two years.

Drs. W.C. Eller and R.K. Haugen, from the department of pathology of the Holy Cross Hospital, Fort Lauderdale, Fla., gave an excellent summary of the management of this emergency in the July 12, 1973, issue of the *New England Journal of Medicine*. Their recommendations need to be heeded.

The National Safety Council estimates that nearly 2,500 adults are killed by food asphyxiation each year. Drs. Eller and Haugen questioned coroners and medical examiners and, based on autopsy proof, they estimate that 700 to 1,000 people choke to death each year. Many sudden deaths are not autopsied so the Safety Council's estimate seems reasonable.

Average size of meat

The average size of pieces of meat found stuck in the throat is astounding. It is approximately the size of a pack of cigarettes. The largest found was over seven inches long! Many of the victims either had ill-fitting dentures or were missing many of their teeth. They prob-

ably had become used to swallowing food with remarkably little chewing. Many were undoubtedly rapid eaters and had always gulped their food before they lost their teeth. Although alcohol certainly does not need to be a factor, it often is. When mildly intoxicated, one's sensory perception is dulled and judgment of the readiness to swallow coarse food may be impaired. In the two cases seen by Dr. Zanolli and me, alcohol was not a factor.

First aid must be given immediately. Pry open the victim's mouth, stick the middle and index fingers down his or her throat and then pull out the meat or whatever food is lodged there. The thumb and index finger are more natural for grasping but these two fingers require much more space and are not as long. Do not pound on the victim's back. It will do no good. Mouth-to-mouth rescue breathing is obviously useless until the obstruction is removed. It should be used after the food is removed if the patient is unconscious and not breathing.

"Choke Saver" available

A special plastic forceps called the "Choke Saver" is now on the market and is more effective than the fingers. Big restaurant operators and certainly all rescue squads should have one of these. Drs. Eller and Haugen reported that three lives had been saved by the Jacksonville, Fla., rescue squad in a little over a year.

The high cost of dentistry can be considered a contributing factor in some of these choking deaths. Any physician who performs periodic physical examinations on middle-aged adults knows the large number of people who have almost all their molars missing and not replaced with good fitting dentures. A few edentulous people will be seen who say they prefer to just "gum" their food. They can't be bothered learning to use a denture.

Food gulpers without adequate teeth who occasionally drink heavily should beware! Since these people probably don't recognize their vulnerability, and even if they did would not change their habits or condition, their friends should be prepared to act quickly. Choking to death only takes four or five minutes!

Daylight savings time to expire October 28

Nuclear Division employees will enjoy an extra hour of sleep Sunday, October 28. Daylight savings time will end and Oak Ridgers will return to Eastern Standard Time, while Paducah residents will return to Central Standard Time.

The shift for employees who are at work Saturday night will begin on daylight savings time and end on standard time at both Oak Ridge and Paducah installations.

Bradley, Butturini, Hair, Honeycutt, Howard and Neely promoted at ORGDP



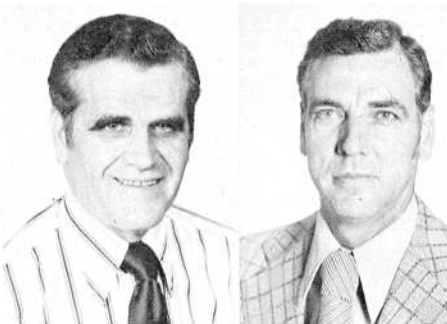
Bradley

Butturini



Howard

Neely



Hair

Honeycutt

Six recent promotions are announced at the Oak Ridge Gaseous Diffusion Plant.

William Bradley Jr., has been named a supervisor trainee in the power operations department of the Operations Division.

Bradley, a native of Detroit, joined Union Carbide in 1945 after working with Fisher Bodies, Detroit.

He lives at 501 Woodland Drive, Clinton. Mrs. Bradley is the former Margaret Carden.

Charles W. Butturini has been promoted to a planner and estimator in maintenance engineering.

Born in Pruden, Ky., Butturini graduated from Oak Ridge High School and attended the U. S. Naval Construction Electrical School. He worked in construction before joining Union Carbide in 1973. He is married to the former Ollie Watkins and they live at 818 Hendrickson Street, Clinton. The couple has two sons.

Alvin D. Hair has been made a supervisor trainee in the power and utilities department of the Production Division.

A native of Lenoir City, Hair served in the U. S. Army from 1943 until 1946 and has been at ORGDP for the past 27 years, serving most recently as an electrical operator. He has studied electrical courses with I.C.S. and the National Technical School.

Hair is married to the former Lucille Shaver and they have two children. They live at 605 East Meadecrest Drive, Knoxville.

Presley W. Honeycutt has also been named a supervisor trainee in the Production Division.

A native of Rienzi, Miss., Honeycutt joined Union Carbide in 1945 after working in a clothing store in Iuka, Miss. He is married to the former Louise Carson and they have one son. Their home is at 104 Poplar Road, Oak Ridge.

Jerry L. Howard has been named a maintenance foreman in the Maintenance Division.

Howard, a native of Rockwood, is a graduate of Oak Ridge High School and the electronics school of the U. S. Navy. He joined Union Carbide almost 10 years ago after his naval service. He is married to the former Nancy Harris and they live at 101 Tacoma Road, Oak Ridge. The couple has two children.

Nolan G. Neely is named a supervisor trainee in the Production Division. A native of Smithville, Tenn., Neely joined Union Carbide in 1945. He is married to the former Azilee Ridenour and they live at Route 20, Knoxville. They have four children.



RECEIVE HIGH SHRINE HONORS — Two Nuclear Division employees recently received high honors from the Shriners in Detroit, for their efforts in shipping truck loads of canned goods and clothing to flood-stricken residents in Jackson, Miss. Garner W. Henley, left, is in ORNL's Biology Division; and Leon T. Coleman is in Y-12's research services.

COMPANY Service

20 25 30

Y-12 PLANT 30 YEARS



Hartman

Hunnicutt

Grace A. Boyd, chemical services, is among the five Y-12ers who celebrate 30 years with Union Carbide. Miss Boyd lives at 101 East Price Road, Oak Ridge.

Orel C. Hartman, mail department, lives at Route 17, Guinn Road, Knoxville. He has been ill at home for some time.

Edwin M. Hunnicutt, general expediting and auxiliary services, lives at 321 Pennsylvania Avenue, Oak Ridge.



Smith

Winfree

R. Clarence Winfree, general field shops, lives at Route 3, Kingston.

Harold D. Smith, buildings, grounds and maintenance shops, lives at Route 4, Harriman.

25 YEARS

Melvin C. Tipton.

20 YEARS

William T. Headrick, James R. Murph, Herbert Reynolds, Marvin Q. Kosier, James L. Sprouse, Howard L. Vandergriff Sr., James M. Cunningham, Robert A. Williams, John H. Hansard, Lawrence R. Loveless, James B. Bowman, Roscoe C. Murphy, Everett S. Smith, John R. Bosson, Lonnie R. Beach, Cecil Stanifer, Norman D. Kennedy, Robert M. Kemper Jr., Clyde E. Nance and Allen S. Howell.

ORNL 30 YEARS



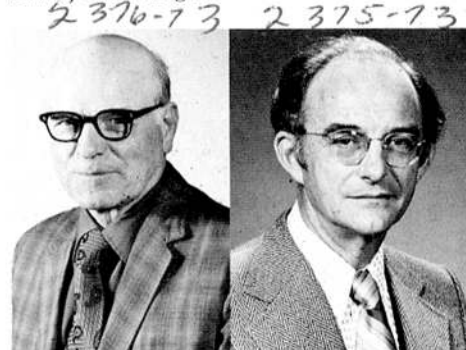
Cole

Coleman Cole, Operations Division, is originally from Batesville, Miss. He lives at 220 Wilberforce Avenue, Oak Ridge.

Milton W. Chadwell is a craft foreman in the fabrication department of the Plant

and Equipment Division. Chadwell is originally from Nashville, Tenn., but worked with DuPont in Oklahoma before transferring to Oak Ridge. His hobbies include farming and raising cattle. He and Gladys, his wife, live in Crossville. They have two sons.

Bruce H. Ketelle is a nuclear chemist in the Chemistry Division. He is from South Dakota and came to Oak Ridge with the Chicago project in 1943. Ketelle's favorite pastimes are mountaineering, and square and round dancing. He and Marjorie, his wife, have two daughters and a son. They live at 197 Outer Drive, Oak Ridge.



Chadwell

Ketelle

GENERAL STAFF

25 YEARS

Jesse A. Duff.

20 YEARS

Harmon H. Sigmon and Cliff L. Jeffers.

PADUCAH

20 YEARS

Don F. Spencer, Spencer E. Titus, Eugene Stallons, Charles H. Brown, Elbert M. Steinbeck, Lelon M. Farley and Fort R. Duley.

ORGDP

25 YEARS

Prince A. Harman.

20 YEARS

John W. Amburgey Jr. and Joe V. Begliutti.

QUESTION BOX



(Continued from page 1)

will either eliminate or guard against such hazards.

ORGDP management states that Job Safety Analysis is an important part of their Safety Program. They recognize that it requires a lot of work by each supervisor, but feel that the accidents prevented should make that work worthwhile.

JSA, properly utilized, should result in a safer work environment for each employee and in more efficient performance of many jobs.

Patents granted

To John P. McBride, Kenneth H. McCorkle, Gulf General Atomic, and William L. Pattison, ORNL, for "Production of Predominantly Crystalline Sols."

To Ralph A. Potter, Virginia, and Victor J. Tennery, Ohio, for "Process for the Preparation of Uranium Nitride Powder."

Floyd, Conrad and Mrs. Nelson named to new positions at Paducah Plant

Three recent promotions are announced at the Paducah Gaseous Diffusion Plant.

John F. Floyd has been named a materials supervisor in the cost and data process department.

A native of Uniontown, Ky., Floyd joined Union Carbide in 1951, after working with Capehart-Farmsworth in Fort Wayne, Ind. He lives at 2525 Trimble St., Paducah. His wife, Lee, is also an employee at the Plant.

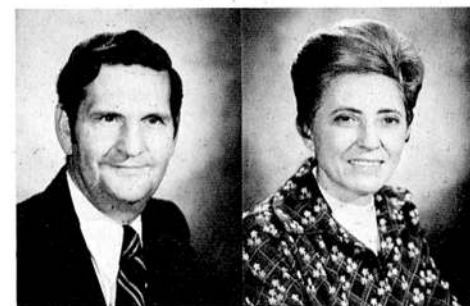
Mary N. Nelson has been made a materials foreman in the cost and data process department.

Mrs. Nelson was born in McClure, Ill., and came with the Paducah Plant in 1951, working first in the Purchasing Department. She is a member of the American Business Women's Association.

She and Jim live on Seminole Drive, Paducah. He is in the Plant's accounts payable department.

M. Clark Conrad has been appointed an associate chemist for the safety and environmental control department.

Conrad, a graduate of the University of Louisville, Speed Scientific School, with a BS degree in chemistry, came with



Floyd

Mrs. Nelson



Conrad

Union Carbide after working with the U. S. Geological Survey of Louisville.

He and his wife Janean live at 3735 Springdale Circle, Paducah.

Lupfer to speak at local chemical engineers mtg.

Dale Lupfer, vice president of Engineering and Development for Control Automation Technology Company of Houston, will be guest speaker at the October 24 meeting of the Knoxville-Oak Ridge section of the American Institute of Chemical Engineers. The Subject of Lupfer's talk will be "Automation and the Energy Crisis."

Lupfer will discuss the current need for more efficient process operations and the benefits available through advanced control hardware and technology. The topics to be covered will be of local

Joint ASM-TSPE meeting to feature Hart address

A joint American Society for Metals and Tennessee Society of Professional Engineers meeting will be held Thursday, October 25. The meeting will begin at 6:15 p.m. at the Oak Ridge Country Club.

Robert J. Hart, manager of the Oak Ridge Operations of the Atomic Energy Commission, will speak on the role Oak Ridge will play in future energy development.

interest to both professional and non-professional people.

The dinner meeting will begin at 7:30 p.m., and will be held at the Oak Ridge Country Club.



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NUCLEAR DIVISION

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